

Introduction

Purpose

This manual provides instructions for programming the Honeywell® Xenon™ Scanner.

Table of Contents

Topic	Page
Introduction	1
Important Safety Information	3
Connections Diagram	5
Honeywell Xenon Scanner	6
Maintenance	7
Programming the Honeywell Xenon Scanner	9
Setting Up TruAge Verification in the Passport MWS (Version 24.04 or Later)	12
Setting Up Age Verification in the Passport MWS	16
Troubleshooting	19
Appendix: Barcode Sheets	27

Parts List

The following table lists the parts for the Honeywell Xenon Scanner:

Item#	Description	Part Number	Quantity
1	Xenon Scanner with Age Verification Firmware	Q12651-26A	1
2	Serial Cable	Q12651-23	1
3	5 VDC Power Supply	Q12651-24	1

Related Documents

Document Number	Title	GOLD SM Library
MDE-5026	What's New in Passport® Versions 9 and 10	Passport
MDE-5671	Passport Manager Workstation and Point of Sale System Reference Manual	Passport
MDE-5811	Passport Network Addendum for InComm	Passport
MDE-5877	Passport TruAge Interface Configuration Guide	Passport

Abbreviations and Acronyms

Term	Description
CPR	Cardiopulmonary Resuscitation
CR	Carriage Return
DEF	Diesel Exhaust Fluid
FCC	Federal Communications Commission
GOLD	Gilbarco® Online Documentation
LED	Light Emitting Diode
NEC®	National Electric Code
NFPA	National Fire Protection Association
OSHA	Occupational Safety and Health Administration
POS	Point of Sale
QR	Quick Response
RF	Radio Frequency
STP	Submersible Turbine Pump
TAC	Technical Assistance Center
UPC	Universal Product Code
USB	Universal Serial Bus

Important Safety Information

Notes: 1) Save this Important Safety Information section in a readily accessible location.

2) Although DEF is non-flammable, Diesel is flammable. Therefore, for DEF cabinets that are attached to Diesel dispensers, follow all the notes in this section that pertain to flammable fuels.

This section introduces the hazards and safety precautions associated with installing, inspecting, maintaining or servicing this product. Before performing any task on this product, read this safety information and the applicable sections in this manual, where additional hazards and safety precautions for your task will be found. Fire, explosion, electrical shock or pressure release could occur and cause death or serious injury, if these safe service procedures are not followed.

Preliminary Precautions

You are working in a potentially dangerous environment of flammable fuels, vapors, and high voltage or pressures. Only trained or authorized individuals knowledgeable in the related procedures should install, inspect, maintain or service this equipment.

Emergency Total Electrical Shut-Off

The first and most important information you must know is how to stop all fuel flow to the pump/dispenser and island. Locate the switch or circuit breakers that shut off all power to all fueling equipment, dispensing devices, and Submerged Turbine Pumps (STPs).

 WARNING	
	The EMERGENCY STOP, ALL STOP, and PUMP STOP buttons at the cashier's station WILL NOT shut off electrical power to the pump/dispenser. This means that even if you activate these stops, fuel may continue to flow uncontrolled.
	You must use the TOTAL ELECTRICAL SHUT-OFF in the case of an emergency and not the console's ALL STOP and PUMP STOP or similar keys.

Total Electrical Shut-Off Before Access

Any procedure that requires access to electrical components or the electronics of the dispenser requires total electrical shut off of that unit. Understand the function and location of this switch or circuit breaker before inspecting, installing, maintaining, or servicing Gilbarco equipment.

Evacuating, Barricading and Shutting Off

Any procedure that requires access to the pump/dispenser or STPs requires the following actions:



- An evacuation of all unauthorized persons and vehicles from the work area
- Use of safety tape, cones or barricades at the affected unit(s)
- A total electrical shut-off of the affected unit(s)

Read the Manual

Read, understand, and follow this manual and any other labels or related materials supplied with this equipment. If you do not understand a procedure, call the Gilbarco Technical Assistance Center (TAC) at 1-800-743-7501. It is imperative to your safety and the safety of others to understand the procedures before beginning work.

Follow the Regulations

Applicable information is available in National Fire Protection Association (NFPA) 30A; *Code for Motor Fuel Dispensing Facilities and Repair Garages*, NFPA 70; *National Electrical Code (NEC)*, Occupational Safety and Health Administration (OSHA) regulations and federal, state, and local codes. All these regulations must be followed. Failure to install, inspect, maintain or service this equipment in accordance with these codes, regulations and standards may lead to legal citations with penalties or affect the safe use and operation of the equipment.

Replacement Parts

Use only genuine Gilbarco replacement parts and retrofit kits on your pump/dispenser. Using parts other than genuine Gilbarco replacement parts could create a safety hazard and violate local regulations.

Safety Symbols and Warning Words

This section provides important information about warning symbols and boxes.

Alert Symbol



This safety alert symbol is used in this manual and on warning labels to alert you to a precaution which must be followed to prevent potential personal safety hazards. Obey safety directives that follow this symbol to avoid possible injury or death.

Signal Words

These signal words used in this manual and on warning labels tell you the seriousness of particular safety hazards. The precautions below must be followed to prevent death, injury or damage to the equipment:



DANGER: Alerts you to a hazard or unsafe practice which will result in death or serious injury.



WARNING: Alerts you to a hazard or unsafe practice that could result in death or serious injury.



CAUTION with Alert symbol: Designates a hazard or unsafe practice which may result in minor injury.

CAUTION without Alert symbol: Designates a hazard or unsafe practice which may result in property or equipment damage.

Working With Fuels and Electrical Energy

Prevent Explosions and Fires

Fuels and their vapors will explode or burn, if ignited. Spilled or leaking fuels cause vapors. Even filling customer tanks will cause potentially dangerous vapors in the vicinity of the dispenser or island.

DEF is non-flammable. Therefore, explosion and fire safety warnings do not apply to DEF lines.

Important Safety Information

No Open Fire



Open flames from matches, lighters, welding torches or other sources can ignite fuels and their vapors.

No Sparks - No Smoking



Sparks from starting vehicles, starting or using power tools, burning cigarettes, cigars or pipes can also ignite fuels and their vapors. Static electricity, including an electrostatic charge on your body, can cause a spark sufficient to ignite fuel vapors. Every time you get out of a vehicle, touch the metal of your vehicle, to discharge any electrostatic charge before you approach the dispenser island.

Working Alone

It is highly recommended that someone who is capable of rendering first aid be present during servicing. Familiarize yourself with Cardiopulmonary Resuscitation (CPR) methods, if you work with or around high voltages. This information is available from the American Red Cross. Always advise the station personnel about where you will be working, and caution them not to activate power while you are working on the equipment. Use the OSHA Lockout/Tagout procedures. If you are not familiar with this requirement, refer to this information in the service manual and OSHA documentation.

Working With Electricity Safely

Ensure that you use safe and established practices in working with electrical devices. Poorly wired devices may cause a fire, explosion or electrical shock. Ensure that grounding connections are properly made. Take care that sealing devices and compounds are in place. Ensure that you do not pinch wires when replacing covers. Follow OSHA Lockout/Tagout requirements. Station employees and service contractors need to understand and comply with this program completely to ensure safety while the equipment is down.

Hazardous Materials

Some materials present inside electronic enclosures may present a health hazard if not handled correctly. Ensure that you clean hands after handling equipment. Do not place any equipment in the mouth

WARNING

In the event of inclement weather, including snow, ice, or flooding that makes driving conditions dangerous, please avoid servicing units. Always use available door stops to secure upper doors against unwanted/unexpected movement, especially during high winds. If necessary, reschedule service to avoid damage to the equipment. Weather may change unexpectedly; be aware of local weather conditions. During service, if conditions develop making service unsafe, close the unit(s) and proceed to a safe location.

WARNING

The pump/dispenser contains a chemical known to the State of California to cause cancer.

WARNING

The pump/dispenser contains a chemical known to the State of California to cause birth defects or other reproductive harm.



Gilbarco Veeder-Root encourages the recycling of our products. Some products contain electronics, batteries, or other materials that may require special management practices depending on your location. Please refer to your local, state, or country regulations for these requirements.

In an Emergency

Inform Emergency Personnel

Compile the following information and inform emergency personnel:

- Location of accident (for example, address, front/back of building, and so on)
- Nature of accident (for example, possible heart attack, run over by car, burns, and so on)
- Age of victim (for example, baby, teenager, middle-age, elderly)
- Whether or not victim has received first aid (for example, stopped bleeding by pressure, and so on)
- Whether or not a victim has vomited (for example, if swallowed or inhaled something, and so on)

WARNING



Gasoline/DEF ingested may cause unconsciousness and burns to internal organs. Do not induce vomiting. Keep airway open. Oxygen may be needed at scene. Seek medical advice immediately.

WARNING

DEF generates ammonia gas at higher temperatures. When opening enclosed panels, allow the unit to air out to avoid breathing vapors. If respiratory difficulties develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention.

WARNING



Gasoline inhaled may cause unconsciousness and burns to lips, mouth and lungs. Keep airway open. Seek medical advice immediately.

WARNING



Gasoline/DEF spilled in eyes may cause burns to eye tissue. Irrigate eyes with water for approximately 15 minutes. Seek medical advice immediately.

WARNING



Gasoline/DEF spilled on skin may cause burns. Wash area thoroughly with clear water. Seek medical advice immediately.

WARNING

DEF is mildly corrosive. Avoid contact with eyes, skin, and clothing. Ensure that eyewash stations and safety showers are close to the work location. Seek medical advice/recommended treatment if DEF spills into eyes.

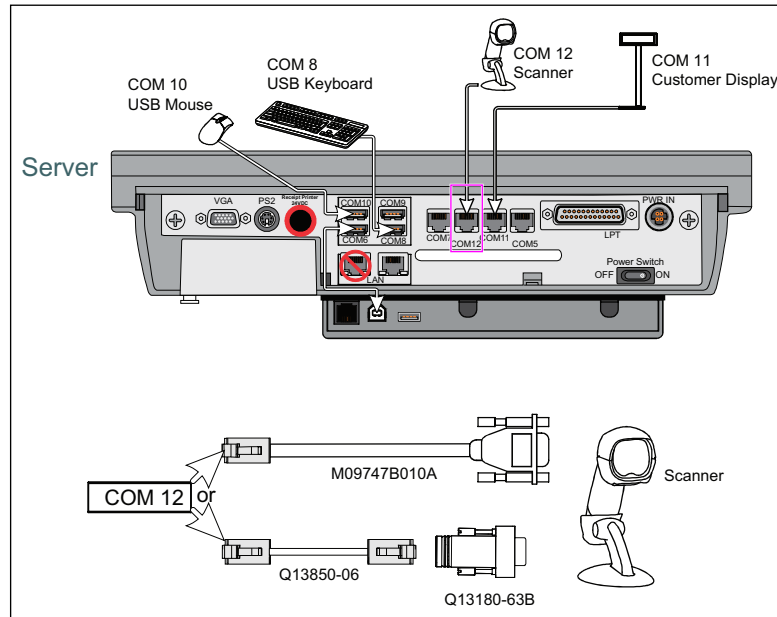
IMPORTANT: Oxygen may be needed at scene if gasoline has been ingested or inhaled. Seek medical advice immediately.

Lockout/Tagout

Lockout/Tagout covers servicing and maintenance of machines and equipment in which the unexpected energization or start-up of the machine(s) or equipment or release of stored energy could cause injury to employees or personnel. Lockout/Tagout applies to all mechanical, hydraulic, chemical, or other energy, but does not cover electrical hazards. Subpart S of 29 CFR Part 1910 - Electrical Hazards, 29 CFR Part 1910.333 contains specific Lockout/Tagout provision for electrical hazards.

Connections Diagram

Figure 1: Passport System Connections Diagram for PX60



Honeywell Xenon Scanner

Beeper and LED Sequences, and Meaning

The scanner contains Light Emitting Diodes (LEDs) on top of the unit to indicate its power up, communication, and battery status. For example, red LED = error and green LED = success of any type. The unit's audible indicators also have the same meaning. One razz or error tone = error, two beeps = menu change, and one beep = all other successes.

Scanner LED Sequences and Meaning

The following table lists the indications, cause for the LED illumination, and number of beeps for the scanner:

LED Indication	Beeper Indication	Cause
Normal Operation		
Flashing Red	None	Battery low
Flashing Green	One beep	Successful communication or linking
Blinking Red	Razz or error tone	Failed communication
Menu Operation		
Flashing Green	Two beeps	Successful menu change
Blinking Red	Razz or error tone	Unsuccessful menu change

Base/Access Point LED Sequences and Meaning

The base has a red LED and access point has a blue LED that indicate the status of the unit and verify communication with the host system. The base also has a green LED that indicates the scanner's battery charge condition.

Red or Blue LED - Host Communication	
Communication Condition	Red or Blue LED
USB suspend	OFF
Power ON, system idle	ON continuously
Receiving data	Short blinks in multiple pulses. Occurs when transferring data to/from the Radio Frequency (RF) module or host port.

Green LED - Scanner Battery	
Charge Condition	Green LED
Battery not detected or charge suspended	OFF
Pre-charge and charging	Slow flash, 1 second ON, 1 second OFF
Charge complete	ON continuously
Charge error	Fast flash, 300 msec ON, 300 msec OFF

Base Power Communication Indicator

To display the power indicator on the base or access point, scan the **Base Power Communication Indicator ON** barcode. To turn off the power indicator, scan the **Base Power Communication Indicator OFF** barcode. Default = Base Power Communication Indicator ON.

**BASRED1**

Base Power Communication Indicator ON

**BASRED0**

Base Power Communication Indicator OFF

Maintenance

Repairs

Do not perform repairs and/or upgrades on this product. These services must be performed only by an authorized service center.

Maintenance

The device provides reliable and efficient operation with minimum care. Although specific maintenance is not required, the following periodic checks ensure dependable operation:

Cleaning the Device

Reading performance may degrade if the scanner's window is not clean. If the window is visibly dirty or if the scanner is not operating well, clean the window with a soft cloth or lens tissue dampened with water (or a mild detergent - water solution). If detergent solution is used, rinse with a clean lens tissue dampened with water only.

The scanner and housing of the base may also be cleaned in the same way.

CAUTION

- Do not submerge the scanner in water as the scanner's housing is not watertight.
- Do not use abrasive wipes or tissues on the scanner's window as abrasive wipes may scratch the window. Never use solvents (for example, alcohol or acetone) on the housing or window as solvents may damage the appearance or the scanner window.

Inspecting the Cords and Connectors

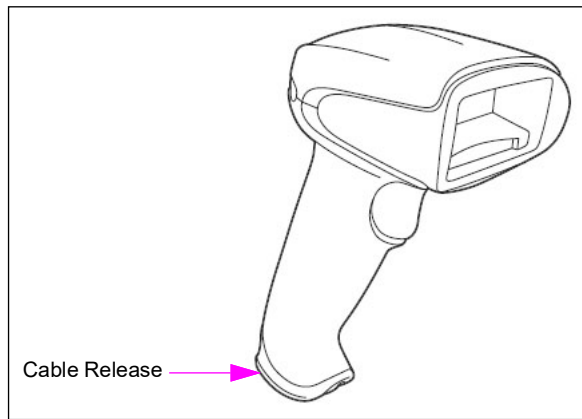
Inspect the interface cable and connector for wear or other signs of damage. A badly worn cable or damaged connector may interfere with scanner's operation. For information about cable replacement, contact your distributor.

Replacing the Interface Cable

To replace the interface cable, proceed as follows:

- 1 Turn off power to the Point of Sale (POS) system.
- 2 Disconnect the scanner's cable from the terminal or computer.
- 3 Locate the small hole on the back of the scanner's handle. This is the cable release (see [Figure 2](#)).

Figure 2: Scanner



- 4 Straighten one end of the paper clip.
- 5 Insert the end of the paper clip into the small hole on the back of the scanner handle and press it in. This will loosen up the retention tab and releases the connector. Pull out the connector while maintaining pressure on the paper clip and then remove the paper clip.
- 6 Replace the cable with the new Serial Cable (Q12651-23). Insert the connector into the opening and press firmly. The connector is keyed to go in only one way and will fall in place.

Programming the Honeywell Xenon Scanner

Programming the Scanner

To program the scanner, proceed as follows:

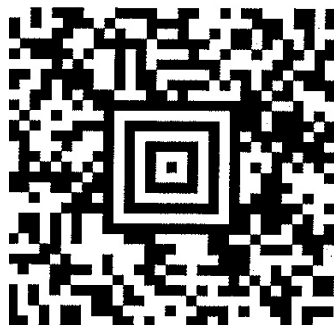
Scan the appropriate configuration code:

- Scan only Configuration Code 1 to program the scanner to function as a 1D Scanner.
- Scan only Configuration Code 2 to Expand UPC-E to 12-digits with mobile scanning disabled.
- Scan only Configuration Code 3 to disable Expand UPC-E to 12-digits with mobile scanning enabled.
- Scan only Configuration Code 4 to enable Expand UPC-E to 12-digits and to enable mobile scanning.
- Scan Configuration Code 5 for the ability to read a driver license on Passport.
- Scan Configuration Code 6 for the ability for TruAge to read a driver license on Passport.

Note: This sheet needs to be scanned in addition to programming sheets 1, 2, 3, or 4.

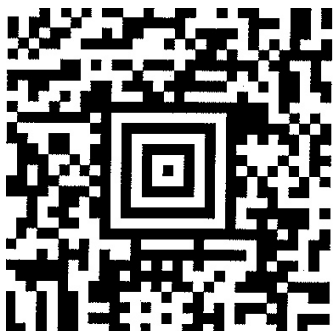
Configuration Code 1

Scan code for the Xenon Scanner with RS-232 interface - Expand UPC-E to 12-digit disabled and mobile scanning disabled.



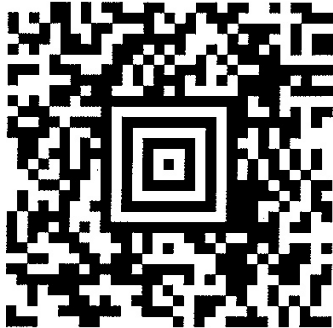
Configuration Code 2

Scan code for the Xenon Scanner with RS-232 interface - Expand UPC-E to 12-digit enabled and mobile scanning disabled.



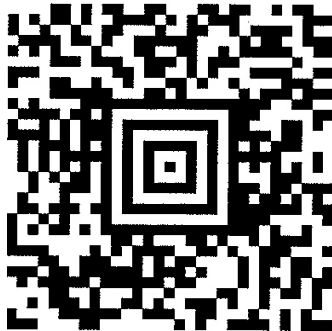
Configuration Code 3

Scan code for the Xenon Scanner with RS-232 interface - Expand UPC-E to 12-digit disabled and mobile scanning enabled.



Configuration Code 4

Scan code for the Xenon Scanner with RS-232 interface - Expand UPC-E to 12-digit enabled and mobile scanning enabled.



Configuration Code 5

Scan the following barcode to configure **Age Verification** on Passport.

Version 2 Scanner



Scan the following barcode to configure to accept **Mobile Payment Transaction**.



Do not scan the following barcode unless the scanner does not accept the above barcode indicated by a low pitch error tone.

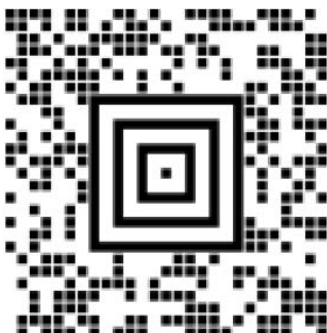
Version 1 Scanner



If the scanner does not accept either barcode, follow the steps in [“Determining EasyDL Version Installed on the Scanner”](#) on [page 20](#) and [“How to Recover the Scanner”](#) on [page 21](#) in the [“Troubleshooting”](#) section.

Configuration Code 6

Scan the following barcode to configure the EzDL parsing software for TruAge. The software changes the output from scanning a driver license from (DOB,EXP) to (DOB,EXP,DL#,State).



Setting Up TruAge Verification in the Passport MWS (Version 24.04 or Later)

Configuration

The following manager workstation (MWS) applications are used to configure **Online Age Verification**:

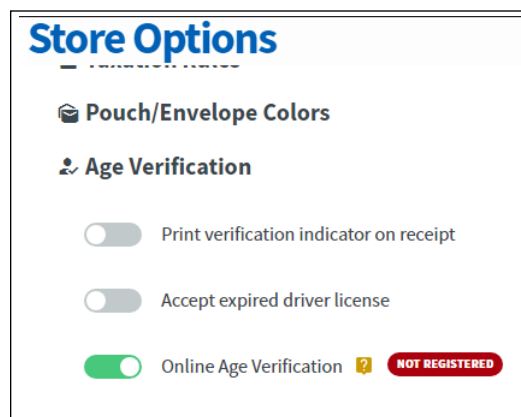
- **Store Options:** On MWS, go to **Store > Store Options**, section *Age Verification*.
- **Restriction:** On MWS, go to **Pricebook > Restriction**, section *Age Verification*.

Store Options Configuration

From the MWS, go to **Store > Store Options**. Open the **Age Verification** section, and toggle the **Online Age Verification** switch. This allows access to the additional options necessary for the user to complete all configurations required to register the Site with TruAge and activate the Online Age Verification feature.

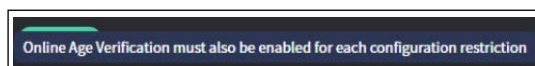
This configuration works in conjunction with the option **Online Age Verification** under the menu **PriceBook > Restrictions**.

Figure 3: Store Options



The option **Online Age Verification** has a badge component that indicates if the Store is registered or not in the TruAge Host. This indicator will display **Registered** in green if the Site is registered, or **Not Registered** in red if the Site is not registered. By default, **Not Registered** is displayed. The option includes a tooltip instructing the user that **Restrictions** also need to be configured in Restriction Maintenance.

Figure 4: Online Age Verification Tooltip



Restrictions Configuration

Go to **Pricebook > Restriction**. Select the Age Verification section. Toggle the switch to green to enable **Online Age Verification**.

Figure 5: Restrictions Configuration

Restrictions

Exclusive Sale

☐ Items in this group must be sold separately

Maximum number of items in a single transaction

☐ Disable sale at Express Lane

Age Verification

☐ Customer ID scan preferred for birth date entry

☐ Allow Default button to be used for sale of age restricted items

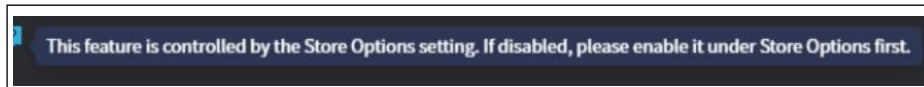
☐ Require cashier to confirm scanned ID

☐ Allow manual entry of birth date ?

☒ Online Age Verification ?

This option has a tooltip stating:

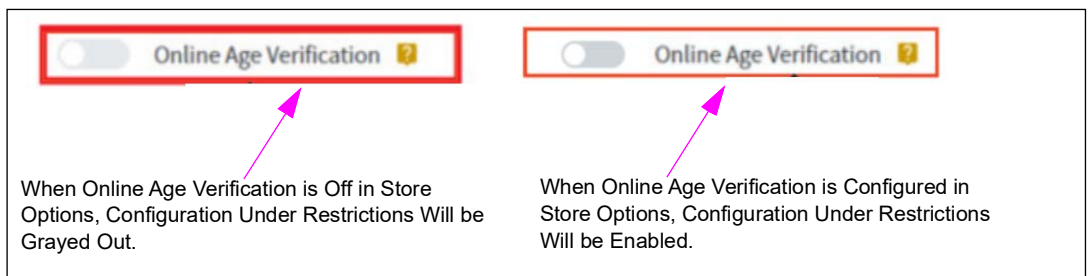
Figure 6: Online Age Verification Tooltip



The **Online Age Verification** option is by restriction group:

- If **Online Age Verification** option is disabled under **Store Options**, then **Online Age Verification** under each restriction should be *present* but disabled (light gray).
- If **Online Age Verification** option in **Store Options** is **ON**, then **Online Age Verification** in **Restrictions** should be enabled, and if this last switch is toggled off, the user is able to toggle it on.

Figure 7: Online Age Verification Restrictions



The option **Allow Default button to be used for sale of age restricted items** must also be toggled on.

Figure 8: Sale of Age Restricted Items Options

This option allows a Cashier to bypass the Customer's ID check for those states or stores that do not require an age check (customers who appear to be 30+). If customers show other ID than driver's license (passport ID, etc.), or if the driver's license is damaged, the Cashier can bypass Customer's ID check.

Site Onboarding Process on Passport

When the **Online Age Verification** option in **Store Options** is enabled, the following fields become active to complete the data entry required for Site registration:

Figure 9: Store Options

Note: Legend of Not Registered will be shown in red indicating that Site is not registered yet.

Field	Description
Site ID	Field to enter the ID for the Site. This is assigned by the TruAge Host.
Authentication Code	This is the authorization code that the TruAge Host (https://portal.mytruage.org/login) must provide to the store. This field is alphanumeric, maximum length 12.

Field	Description
Client ID	This field is blank prior to registration; it is populated during the Onboarding process. This field will display the Client Id data that Host will send to the Site during the Onboarding process. This data can't be changed by user. In case of any problems with the Onboarding process, this data will be used for troubleshooting. This data should be provided by the Merchant to TruAge support in case of any issues.

When **Site ID** and **Authentication Code** have been entered, the **Register** button changes color and is enabled to initiate the registration:

Figure 10: Register Button

The screenshot shows a 'Registration' form with the following fields and buttons:

- Site ID:** Input field containing 'bb001'.
- Authentication Code:** Input field containing 'ASDFCGRVSSSS'.
- Client ID:** Input field (currently empty).
- Save:** A green button located to the right of the Site ID field.
- Register:** A blue button located at the bottom right of the form.

When the Site is registered, the Client ID data is displayed, and the **Register** button is disabled. This process only needs to be completed once if it is finished successfully. The registration section will be updated based on the status with a new green indicator.

Figure 11: Store Options - Green Indicator

The screenshot shows the 'Store Options' page with the following sections and fields:

- Store Options:** The main heading.
- Registration:** A section containing:
 - Site ID:** Input field containing 'bb001'.
 - Authentication Code:** Input field containing 'ADFGGGGGGGG'.
 - Client ID:** Input field containing 'BVKuHQ8apssCbVYKsFWVs'.
- Online Age Verification:** A section with a green indicator and a green button labeled 'Success'.
- Register:** A blue button located at the bottom right of the Registration section.

IMPORTANT INFORMATION

If any problems arise while processing the registration, a warning message will be displayed: "Not possible to register the Site. Verify Site ID, Authentication Code data, or contact provider", contact by email to support@mytruage.org, or obtain new Authentication Code from TruAge portal: <https://portal.mytruage.org/login>.

Setting Up Age Verification in the Passport MWS

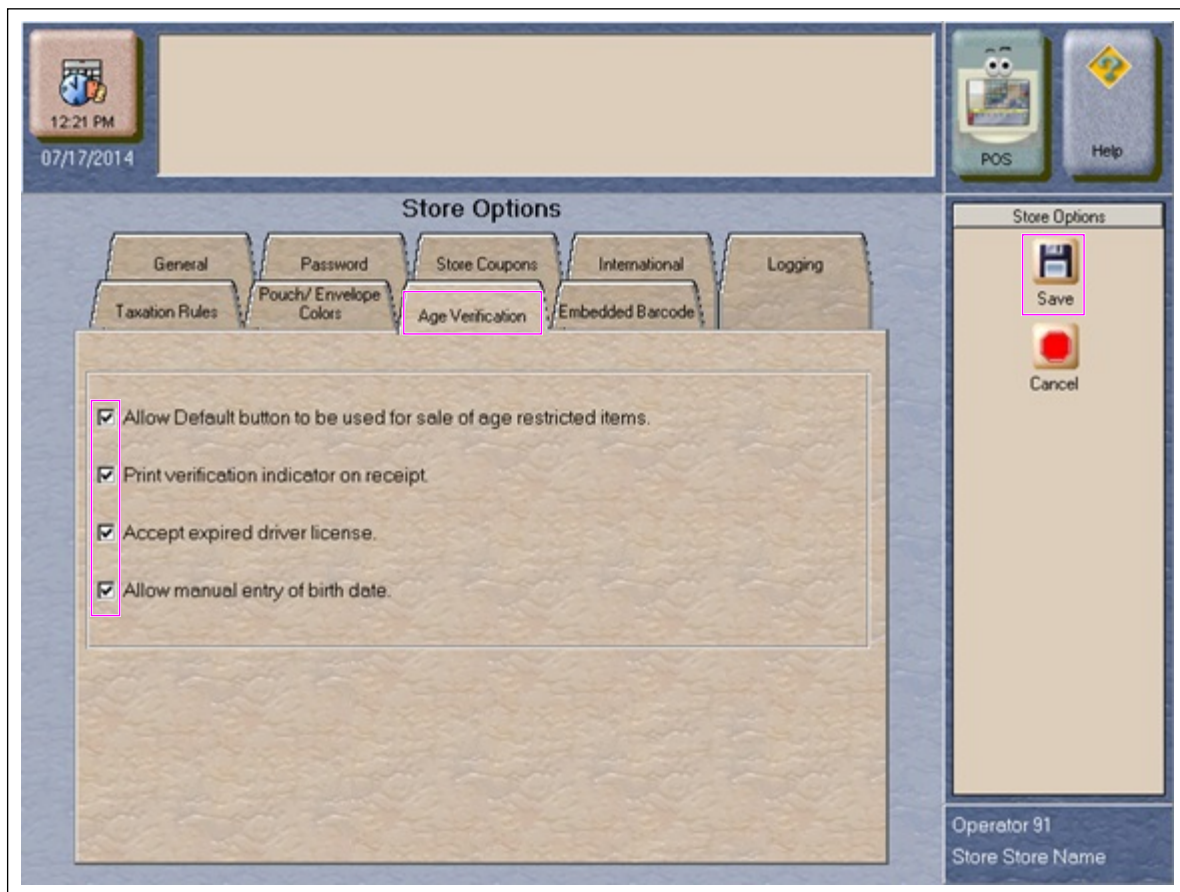
IMPORTANT INFORMATION

Passport Age Verification feature requires J Service Pack with Maintenance Pack 1 or later.

To set up age verification in the Passport MWS, proceed as follows:

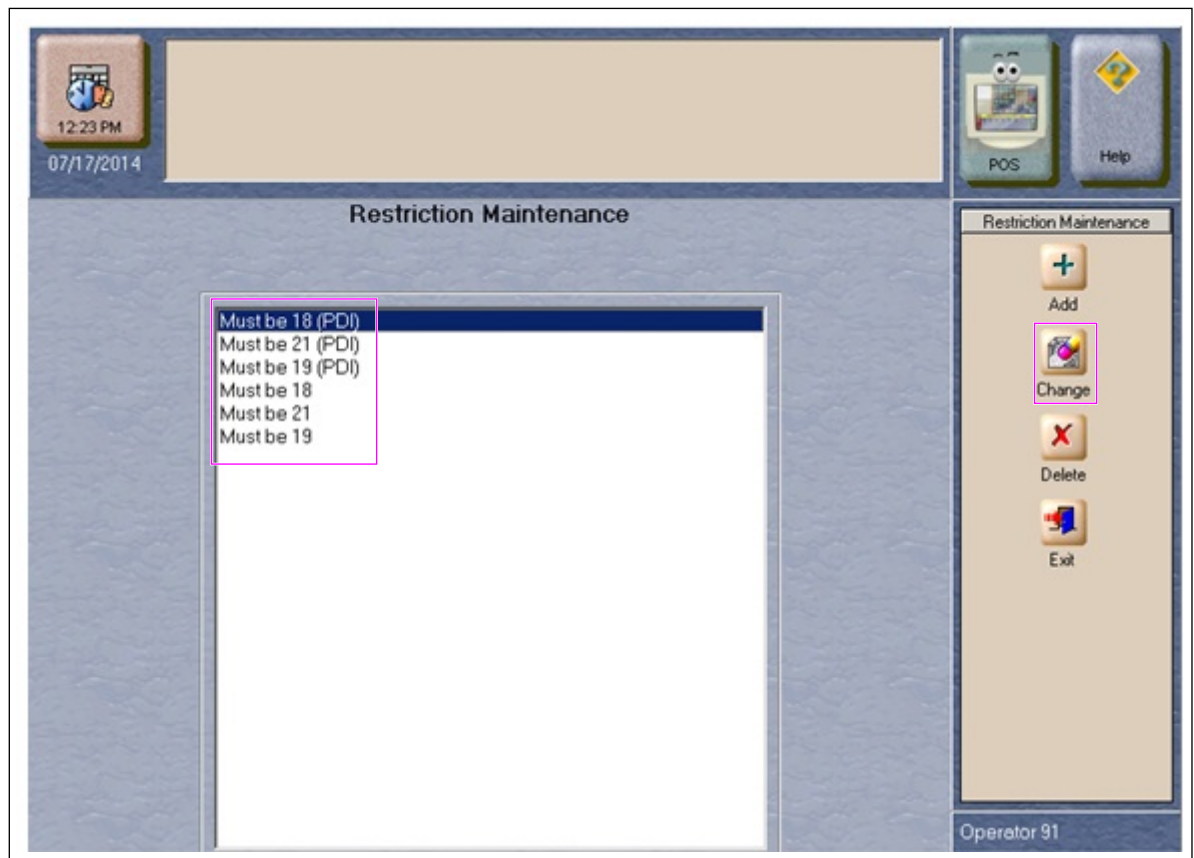
- 1 Log on to the MWS and navigate to **Setup > Store > Store Option**. Select the **Age Verification** tab.
 - 2 From the four available options, discuss with the manager and determine the options which they want to use. Select the required options and click **Save**.
- Note: Refer to MDE-5026 What's New in Passport Versions 9 and 10 for explanation of the Age Verification tab selections.*

Figure 12: Store Options Screen



- 3 Go to **MWS > Set Up > Store > Restriction Maintenance**. The Restriction Maintenance screen opens.
- 4 For each restriction type that you wish to exercise age verification through the scanner, select the restriction type and select **Change**.

Figure 13: Restriction Maintenance Screen



The Restriction Maintenance configuration screen opens.

- 5 On the **Buyer/Seller** tab, select **Entry of birth date required** and **Customer ID scan preferred for birth date entry**. Select **Save**.

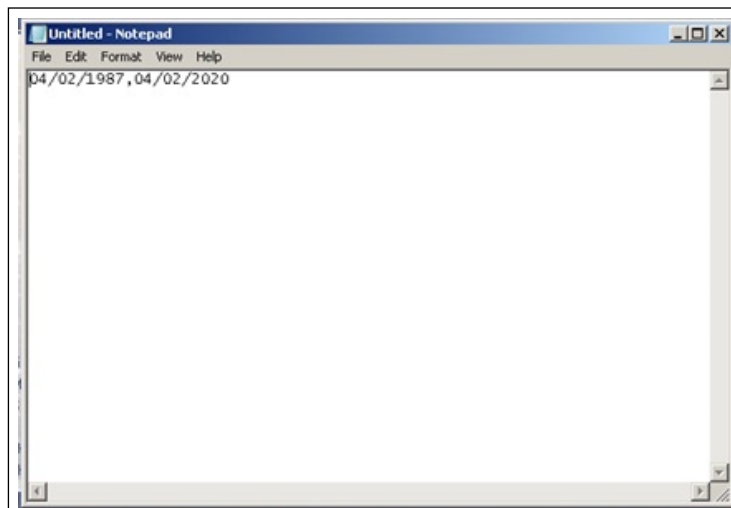
Figure 14: Restriction Maintenance Configuration Screen

The screenshot displays the 'Restriction Maintenance Configuration Screen' with the 'Buyer/Seller' tab active. The 'Restriction For Group' is set to 'Must be 21 (FDI)'. Under the 'Minimum Buyer Age' section, the 'Entry of birth date required' and 'Customer ID scan preferred for birth date entry' checkboxes are checked. The 'Save' button in the 'Restriction Maintenance' sidebar is highlighted with a red box. The bottom right corner shows 'Operator 91'.

To validate operation, stop Passport, open Notepad, and scan the driver's license. The format is "mm/dd/yyyy,mm/dd/yyyy".

Note: The format of the data is Customer Birth Date, License Expiration Date.

Figure 15: Validating Operation with Notepad



Troubleshooting

Scanner Is Not Reading Barcodes Correctly

Scan the following barcode to activate defaults and then follow the procedure for programming the scanner.



Note: If InComm barcodes are not working, try scanning the Enable Code 128 barcode in the [“Appendix: Barcode Sheets”](#) on [page 27](#).

Whenever you turn ON the scanner, it automatically perform self-tests. If the scanner is not functioning properly, review the following troubleshooting guide to solve the problem:

Q: Is the power ON? Is the aiming beam ON?

A: If the aiming beam is not illuminated, then check that:

- The cable is connected properly. If not, reseal the cable.
- The POS system power is ON (if external power is not used).
- The trigger works. If the trigger does not work, replace the scanner.

Q: Is the scanner having trouble reading your symbols?

A: If the scanner is not reading symbols well, check that the symbols:

- Are not smeared, rough, scratched, or exhibiting voids.
- Are not coated with frost or water droplets on the surface.
- Are enabled in the scanner or in the decoder to which the scanner connects.

Q: Is the barcode displayed but not entered?

A: The barcode is displayed on the host device correctly, but you still have to press a key to enter it (for example, the Enter/Return key or Tab key).

- You must program a suffix. Programming a suffix enables the scanner to output the barcode data and key (such as “CR”) that is used to enter the data into your application.

Refer to [“Appendix: Barcode Sheets”](#) on [page 27](#).

Q: Does the scanner read the barcode incorrectly?

A: If the scanner reads a barcode, but the data is not displayed correctly on the host screen:

- The scanner may not be programmed for the appropriate terminal interface. For example, you scan “12345” and the host displays “@es%”.

Reprogram the scanner with the correct Plug and Play barcode. Refer to [“Programming the Honeywell Xenon Scanner”](#) on [page 9](#).

- The scanner may not be programmed to output your barcode data properly. For example, you scan “12345” and the host displays “A12345B”.

Reprogram the scanner with the proper symbology selections.

Q: The scanner does not read the barcode at all.

A: If the scanner does not read the barcode, then proceed as follows:

- 1 Scan the sample barcodes. If the scanner reads the sample barcodes, check that your barcode is readable (refer to “[Sample Barcodes](#)” on [page 22](#)). Ensure that your barcode symbology is enabled.
- 2 If the scanner still cannot read the sample barcodes, scan the **All Symbologies On** barcode.

Determining EasyDL Version Installed on the Scanner

To determine the EasyDL version installed on the scanner, proceed as follows:

Option 1: Check the Honeywell serial label on the scanner.

- If the first five digits are 14011 or higher, it is a version 2 scanner.
- If the first five digits are 14010 or lower, it is a version 1 scanner.

For example, if the serial number is **14022B130C**, then it is version 2 scanner.

Option 2: Scan the below barcode and check the output for one of the three possibilities. (Using HyperTerminal on your laptop).



- If the scanner has EasyDL 2.0 loaded, the output is displayed as follows:

```
PLGDIR.
EasyDL_2_0.plugin          298708
EasyDL_2_0Conf             839
EasyParseDLIDCodes         82
2097152 total, 1797523 free, 299629 used
```

- If the scanner has EasyDL 1.0 loaded, the output is displayed as follows:

```
PLGDIR.
EasyDLparser.plugin        96392
EasyDL.plugin              75288
EasyDLConf                 1667
Format_cfg                 24
Format_lic                  46
2097152 total, 1923781 free, 1773371 used
```

- If the scanner does not have any version of EasyDL installed, the output is displayed as follows:

PLGDIR.

2097152 total, 2097152 free, 0 used

Note: The file sizes may vary. The file names will be constant.

How to Recover the Scanner

If you scanned “DEFOVR” barcode and then followed the programming procedures, and it does not recover scanning capabilities, scan the appropriate barcode below to recover the scanner. **After scanning the appropriate barcode, power cycle the scanner. The power reset is required for this procedure to work.** Follow the procedure for programming the scanner.

Recover Version 2 Scanner



Recover Version 1 Scanner



Scanner Goes to Sleep When Sitting in Cradle

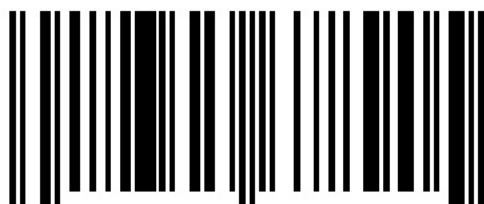
If the Scanner Model goes to sleep in the cradle, and is hard to wake back up when presenting the first scan item, scan the Sensor Off barcode.

Use the below programming code to ignore the cradle trigger and always stay on and ready for scanning.



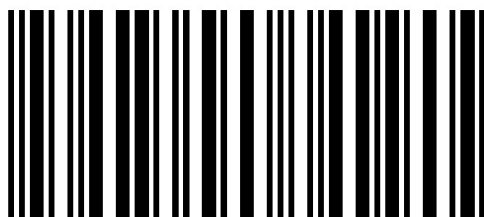
Sample Barcodes

UPC-A



0 123456 7890

Interleaved 2 of 5



1234567890

Code 128



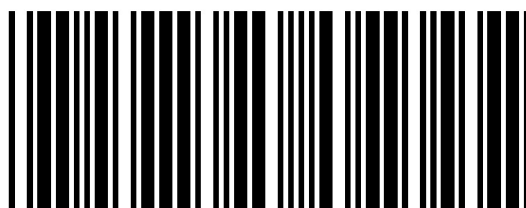
Code 128

EAN-13



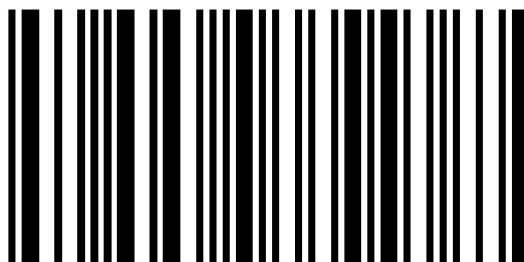
9 780330 290951

Code 39



BC321

Codabar



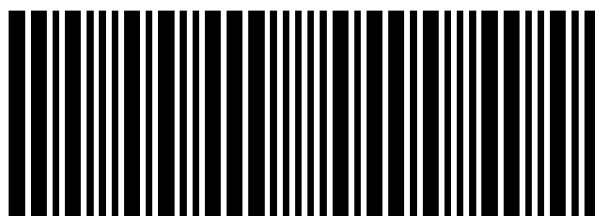
A13579B

Code 93



123456-9\$

Straight 2 of 5 Industrial



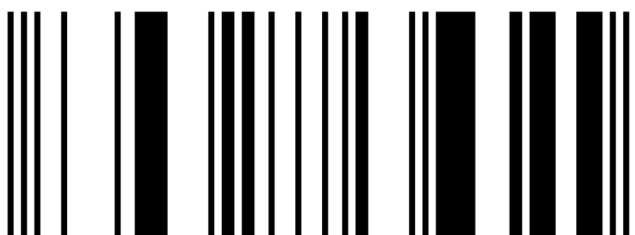
123456

Matrix 2 of 5



6543210

GS1 DataBar



(01)00123456789012

PDF417



Car Registration

Postnet



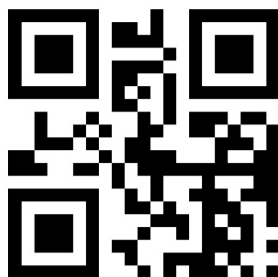
Zip Code

Data Matrix



Test Symbol

QR Code



Numbers

4-CB (4-State Customer Barcode)



01,234,567094,987654321,01234567891

ID-tag (UPU 4-State)



J18CUSA8E6N062315014880T

Aztec



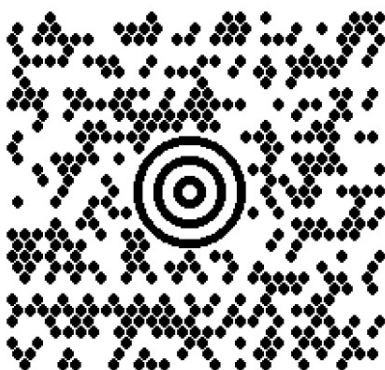
Package Label

Micro PDF417



Test Message

MaxiCode



Test Message

Appendix: Barcode Sheets

Sheet 1

Scan Code Sheet for the Xenon Scanner with RS-232 Interface



DEFAULT
Activate Defaults

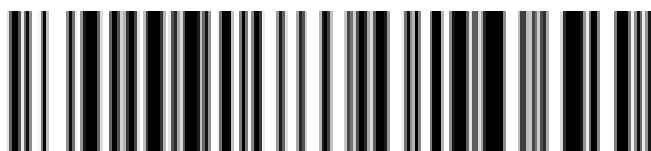


232WRD4
7 Data, 2 Stop, Parity Even



232BAD5
*9600

Enable Code 128



128DFT

Disable Code 128



128ENA0
OFF



C93ENA0
OFF

Disable QR Code



QRCENA0
OFF

Disable Code 93



CBRENA0
OFF

Disable Codabar



I25ENA0
OFF

Disable Interleaved 2 of 5



VSUFCR
Add CR Suffix
All Symbolologies

Expand UPC-E to 12 Digit, UPC-A Format

UPEEXP1
ON

Optional: Scan only “[Sheet 2](#)” on [page 29](#) if you will be reading barcodes from a mobile device.

Sheet 2**Scan Code Sheet for the Xenon Scanner with RS-232 Interface - Mobile Streaming**

DEFAULT
Activate Defaults



232WRD4
7 Data, 2 Stop, Parity Even



232BAD5
*9600

Enable Code 128

128DFT

Disable Code 128



128ENA0
OFF



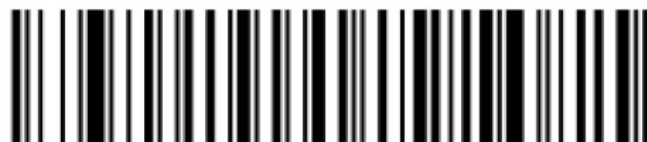
C93ENA0
OFF

Disable QR Code



QRCENA0
OFF

Disable Code 93

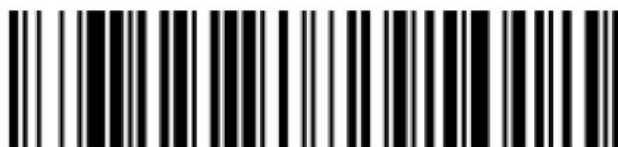


CBRENA0
OFF

Disable Codabar



I25ENA0
OFF

Disable Interleaved 2 of 5

VSUFCR
Add CR Suffix
All Symbolologies

Expand UPC-E to 12 Digit, UPC-A Format

UPEEXP1
ON



TRGSSW1
*Sensor ON



PAPSPC
Streaming Presentation - Mobile Phone

Gilbarco® and Passport® are registered trademark of Gilbarco Inc. GOLDSM is a service mark of Gilbarco Inc.

All product names, logos, and brands are the property of their respective owners and are for identification purposes only. Use of these names, logos, and brands does not imply endorsement.